



Using Technology to Help Students Understand Pre-Algebra Concepts

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Session Goals

- ✓ Examine how on-line applets can be used to improve students' understanding
- ✓ Navigate through Internet resource guides in order to find interactive math applets, Internet-based lesson plans, technology projects, and math links
- ✓ Explore technology tools that can be used to help students better comprehend pre-algebra concepts
- ✓ Share tools found on the Internet with other participants

Exploring Rational Numbers

[Classroom Example..](#)

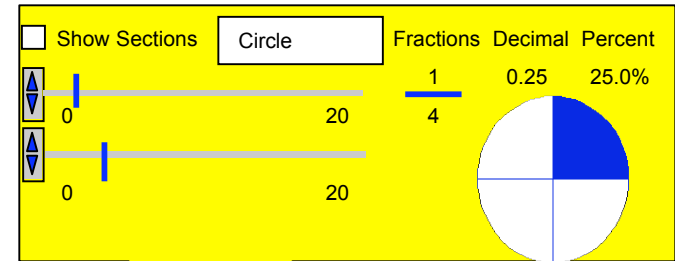
Fraction Model

Order the set of numbers from smallest to largest using the fraction model.

$\frac{8}{73}$	8%	16%	.024	$\frac{4}{24}$
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Explain how you can determine which is smaller of $\frac{8}{73}$ and 8% using their

- decimal forms
- percent forms
- circle graphs
- fraction forms



Resource Guides



**For information, resources, technology tools,
and links that support the teaching and
learning of mathematics visit:**

<http://www.neirtec.org/math/>

and

<http://illuminations.nctm.org/>

Focus Questions



- 1) Which website did you find most useful?
- 2) What source of information does it provide?
- 3) Describe how you could use the resource to help your students better understand pre-algebra concepts?



Next Steps

- Identify the technology available at your school
- Decide the most practical format to conduct the activity (i.e. classroom demo, computer lab, small workstations)
- Identify technical support/assistance you might need, if any
- Start simple
- Have fun learning! Your students sure will.